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What is claimed is:

1. A system for remotely monitoring and controlling at least one HVAC device, comprising:
  - 3 a server with communications access to an entry device and said at least one
  - 4 HVAC device;
  - 5 querying means for querying said at least one HVAC device for status
  - 6 information on a regular basis or when requested by a message from said entry
  - 7 device; and
  - 8 means for sending said status information to said entry device in response to
  - 9 said querying.

- 1 2. A system according to claim 1, further comprising:
  - 3 means residing in said server for checking for messages from said at least one
  - 4 HVAC device; and
  - 5 means residing in said server for sending an alarm message to said entry
  - device when an alarm message is received from said at least one HVAC device.

- 1 2 3. A system according to claim 2, further comprising means for automatically
- sending alarm messages from said at least one HVAC device through said server to
- said entry device.

- 1 2 4. A system according to claim 2, further comprising a first database in said server
- relating to a status of said at least one HVAC device.

- 1 2 3 4 5. A system according to claim 4, further comprising a second database which
- includes at least one password, at least one user name associated with said at least one
- password, and at least one HVAC device associated with said at least one user
- name.

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6. A system according to claim 4, further comprising means for automatically updating said first database on a regular basis in the absence of said message from said entry device.

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7. A system according to claim 1, further comprising means for changing settings on said at least one HVAC device from said entry device.

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8. A system according to claim 1, wherein said entry device is one of a handheld computer, a cell phone, and a personal data assistant.

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9. A system according to claim 1, wherein said communications access includes connections over the Internet.

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10. A system according to claim 1, wherein said communications access includes connections over the GSM network.

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11. A system according to claim 1, wherein said communications access includes connections over both the Internet and the GSM network.

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12. A system for remotely monitoring and controlling at least one HVAC device, comprising:

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a server with communications access to an entry device and said at least one HVAC device;

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querying means for querying said at least one HVAC device for status information when requested by a message from said entry device;

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means for sending said status information to said entry device in response to said querying means;

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means residing in said server for checking for messages from said at least one HVAC device;

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means residing in said server for sending an alarm message to said entry device when an alarm message is received from said at least one HVAC device.

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13           means for automatically sending alarm messages from said at least one  
14   HVAC device through said server to said entry device;  
15           a database in said server relating to a status of said at least one HVAC device;  
16           means for automatically updating said database on a regular basis in the  
17   absence of said message from said entry device; and  
18           means for changing settings on said at least one HVAC device from said entry  
19   device.

1       13. A method for remotely monitoring and controlling at least one HVAC device,  
2   comprising the steps of:  
3           providing a server with communications access to an entry device and said at  
4   least one HVAC device;  
5           querying said at least one HVAC device for status information when requested  
6   by a message from said entry device; and  
7           sending said status information to said entry device in response to said  
8   querying means.

1       14. A system according to claim 13, further comprising the steps of:  
2           checking for messages from said at least one HVAC device;  
3           transferring said messages from said at least one HVAC device to said server;  
4   and  
5           sending an alarm message from said server to said entry device when an alarm  
6   message is received from said at least one HVAC device.

1       15. A method for remotely monitoring and controlling at least one HVAC device,  
2   comprising the steps of:  
3           providing a server with communications access to an entry device and said at  
4   least one HVAC device;  
5           querying said at least one HVAC device for status information on a regular  
6   basis or when requested by a message from said entry device;

7            sending said status information to said entry device in response to said  
8        querying;  
9            checking for messages from said at least one HVAC device;  
10          automatically updating a database in said server relating to a status of said at  
11        least one HVAC device on a regular basis in the absence of said message from said  
12        entry device; and  
13          changing settings on said at least one HVAC device from said entry device.

1        16. A method according to claim 15 further comprising the steps of:  
2            sending an alarm message to said entry device when an alarm message is  
3        received from said at least one HVAC device; and  
4            automatically sending alarm messages from said at least one HVAC device  
5        through said server to said entry device.

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